Rec'd PCT/F 22 JUN 2005

PATENT COOPERATION TREATY 540405 REC'D 2 3 MAY 2005

PCT

WIPO PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference		See Notificati	on of Transmitted of Lance &		
9301-210-228	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/4		ixamination Report (Form PCT/IPEA/416)		
International application No.	International filing date (day/mo.	nth/year)	Priority date (day/month/year)		
PCT/US03/41613 24 December 2003 (24		· · · · · · · · · · · · · · · · · · ·	27 December 2002 (27.12.2002)		
International Patent Classification (IPC) or national classification and IPC					
IPC(7): G06F 19/00 and US C1.: 702/19					
Applicant					
ROSETTA INPHARMATICS LLC					
This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.					
2. This REPORT consists of a total of sheets, including this cover sheet.					
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).					
These annexes consist of a	total of sheets.				
3. This report contains indicate	tions relating to the following i	tems:			
I Basis of the repo	ort				
П Priority					
III Non-establishme	nt of report with regard to nove	eltv. inventive	step and industrial applicability		
IV Lack of unity of		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	and appearance,		
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
VI Certain documents cited					
VII Certain defects in the international application					
VIII Certain observations on the international application					
Date of submission of the demand	Date	of completion of	of this report		
		_	<u>-</u>		
23 July 2004 (23.07.2004)		2005 (10.05.2	005)		
Name and mailing address of the IPEA/US Mail Stop PCT, Atm: IPEA/ US		ized officer	100 + 1		
Commissioner for Patents P.O. Box 1450		. Brusca	1. Roberts for		
Akxandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		one No. (571) 2	272-1600		
orm PCT/IPEA/409 (cover sheet)(July 1998)					

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

ļ

International application No.	
PCT/US03/41613	

I. Ba	sis of the report			
1. Wi	h regard to the elements of the international application:*			
	the international application as originally filed.			
	the description:			
_	pages 1-309 as originally filed			
	pages NONE , filed with the demand			
	pages NONE, filed with the letter of			
	the claims:			
1	pages 310-344, as originally filed			
	pages NONE, as amended (together with any statement) under Article 19 pages NONE, filed with the demand			
	pages NONE , filed with the letter of			
	the drawings:			
	pages 1-91 as originally filed			
	pages NONE , filed with the demand			
	pages NONE, filed with the letter of			
	the sequence listing part of the description:			
1	pages NONE, as originally filed pages NONE, filed with the demand			
	pages NONE, filed with the letter of			
2. With	regard to the language, all the elements marked above years available.			
	which is:			
	the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).			
	the language of publication of the international application (under Rule 48.3(b)).			
	the language of the translation furnished for the purposes of international preliminary examination(under Rules 55.2 and/or 55.3).			
intern	regard to any nucleotide and/or amino acid sequence disclosed in the international application, the ational preliminary examination was carried out on the basis of the sequence listing:			
	contained in the international application in printed form.			
	iled together with the international application in computer readable form.			
_ <u> </u>	urnished subsequently to this Authority in written form.			
	urnished subsequently to this Authority in computer readable form.			
	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the			
i	nternational application as filed has been furnished.			
	The statement that the information recorded in computer readable form is identical to the written sequence listing			
h	as been furnished.			
4. 🔲 Т	he amendments have resulted in the cancellation of			
	the description, pages NONE			
Ī	the claims, Nos. NONE			
Ī	the drawings, sheets/fig NONE			
	nis report has been established as if (some of) the amendments had not been made, since they have been considered to go yound the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**			
Replacement sheets which have been furnished to the receiving Office in response to an invitation and invitation				
* Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report				
m PCT/IPEA/409 (Box I) (July 1998)				

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

12

International application No.

PCT/US03/41613

III. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
1. The question whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be industrially applicable have not been and will not be examined in respect of:					
the entire international application, claims Nos. 87-125					
because:					
the said international application, or the said claim Nos relate to the following subject matter which does not require international preliminary examination (specify):					
the description, claims or drawings (indicate particular elements below) or said claims Nos are so unclear that no meaningful opinion could be formed (specify):					
the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be formed.					
no international search report has been established for said claims Nos. 87-125					
A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:					
the written form has not been furnished or does not comply with the standard.					
the computer readable form has not been furnished or does not comply with the standard.					
m PCT/IPEA/409 (Box III) (July 1998)					



International application No. PCT/US03/41613

V. Reasoned statement under Rule 66.2(a citations and explanations supporting	a)(ii) with regard to novelty, such statement	inventive step or industrial applicability;
1. STATEMENT		
Novelty (N)	Claims <u>1-86, 126-200</u> Claims <u>NONE</u>	YES
Inventive Step (IS)	Claims <u>1-86, 126-200</u> Claims <u>NONE</u>	YES
Industrial Applicability (IA)	Claims <u>1-86, 126-200</u> Claims <u>NONE</u>	YES NO
2. CITATIONS AND EXPLANATIONS		

Claims 1-86 and 126-200 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest an association between an expression quantitative trait locus in a second species of organism that colocalizes with a clinical quantitative trait locus in the second species of organism and a homologous gene in a first species such that the homologous gene in a first species is thereby determined to be a clinical quantitative trait locus for the same clinical trait.

Claims 1-86 and 126-200 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject

Form PCT/IPEA/409 (Box V) (July 1998)